

Table A – Results of Internal Review Committee

Date of Report: October 21, 2004

Water Body Under Evaluation:

Identification #: 1709
Name: Maline Creek
Length of Segment: 1 mile
County (ies): St. Louis County and City

Use Attainability Analysis Study:

Identification #: 0493
Submitter: Metropolitan St. Louis Sewer District -MEC Water Resources, Inc.
Date Received: July 14, 2005
Use Evaluated: Whole Body Contact Recreation (WBCR)

UAA Completeness Check:

All Required Information Included?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Correct Forms Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Forms Signed and Dated?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Comments:		

UAA Criteria Evaluated:

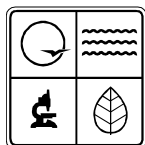
- ☒ 1-Natural Pollutant Sources.
- ☒ 2-Natural, Ephemeral, Intermittent or Low-Flow Condition.
- ☒ 3-Non-Remedial, Human Caused Condition.
- ☒ 4-Hydrologic Modifications.
- ☐ 5-Natural Physical Features.
- ☒ 6-Substantial, Widespread Social and Economic Impact.

Use Determination & Recommendation:

Has the use existed since November 28, 1975? ☐ Yes ☐ No ☒ Unknown
Comments:

Is the evaluated use attainable? ☐ Yes ☐ No

Comments: The UAA was conducted during in October 2004. The evaluated segment begins at Bellefontaine Road and travels one mile through an urbanized area to the Mississippi River. No evidence of WBCR was observed. Interviews with 7 individuals revealed no knowledge of WBCR, although information back to 1975 was not provided. Teenagers were reported on the streambanks (and grafetti is present at Site 4), and Stream Team #888 conducts water quality monitoring and litter pickups on the creek. The stream met the maximum depth criterion at 2 of 6 sites evaluated, and 3 of 6 met the average depth criterion (Criterion #2) with a 4th being close. Hydrologic modifications (Criterion #4), including channelization and lining the channel with concrete, create long, straight reaches designed to move water quickly. The hydrologic modifications greatly dissuade



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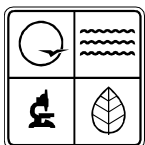
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swimming for safety reasons. The UAA provides documentation that bacterial concentrations are high even though there are no permitted continuous discharges in the watershed. Although the Metropolitan Sewer District (MSD) has contracted the United States Geologic Survey to conduct a bacterial source tracking study, at present there is no evidence separating natural from anthropogenic sources, so the use of removal Criteria #1 and #3 are not conclusive. MSD plans to evaluate economic impact for different Combined Sewer Overflow control options that may result in information applicable to the Economic Impact criterion (#6). Based on the need for more information to document two of the cited removal criteria, the committee found the information provided inconclusive.

Committee Recommendation: ☐ Retain Use ☐ Modify Use ☐ Remove Use ☒ Inconclusive

Committee Members: Stacia Bax, Ann Crawford, Donna Menown



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